

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Kazuhide KAWAI et al.  
Title: CERAMIC MEMBER WITH FINE PROTRUSIONS ON SURFACE AND  
METHOD OF PRODUCING THE SAME  
Appl. No.: Unknown  
Filing Date: January 31, 2002  
Examiner: Unknown  
Art Unit: Unknown

**UTILITY PATENT APPLICATION**  
**TRANSMITTAL**

Commissioner for Patents  
Box PATENT APPLICATION  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the nonprovisional  
utility patent application of:

Kazuhide KAWAI  
Shunzo SHIMAI  
Makoto TAKAHASHI  
Hiroaki SHITARA  
Fumio TOKUOKA  
Masahiko ICHISHIMA  
Takashi SUZUKI  
Toyokazu MATSUYAMA  
Hideo UEMOTO

Enclosed are:

- ☐ [ X ] Specification, Claims, and Abstract (44 pages).
- ☐ [ X ] Informal drawings (12 sheets, Figures 1-17).
- ☐ [ X ] Declaration and Power of Attorney (5 pages).
- ☐ [ X ] Assignment of the invention to TOSHIBA CERAMICS CO., LTD.
- ☒ [ X ] Assignment Recordation Cover Sheet.
- ☐ [ X ] Preliminary Amendment.

- ☒ Information Disclosure Statement.
- ☒ Form PTO-1449 with copies of 6 listed references.
- ☒ Application Data Sheet (37 CFR 1.76).

The filing fee is calculated below:

	Claims as Filed	Included in Basic Fee	Extra Claims	Rate	Fee Totals
Basic Fee				\$740.00	\$740.00
Total Claims:	26	- 20	= 6	x \$18.00	= \$108.00
Independents:	7	- 3	= 4	x \$84.00	= \$336.00
If any Multiple Dependent Claim(s) present:			+	\$280.00	= \$0.00
				SUBTOTAL:	= \$1184.00
<input type="checkbox"/> Small Entity Fees Apply (subtract 1/2 of above):					= \$0.00
				TOTAL FILING FEE:	= \$1,184.00
Assignment Recordation Fee:			+	\$40.00	= \$40.00
				TOTAL FEE	= \$1,224.00

- ☒ A check in the amount of \$1,224.00 to cover the filing fee and fee for recordation of Assignment is enclosed.
- ☐ The required filing fees are not enclosed but will be submitted in response to the Notice to File Missing Parts of Application.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date: January 31, 2002

By 

FOLEY & LARDNER  
Customer Number: 22428

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